

SEQUENCE LISTING

<110> Colca, Jerry

<120> MitONEET POLYPEPTIDE FROM MITOCHONDRIAL MEMBRANES, MODULATORS THEREOF, AND METHODS OF USING THE SAME

<130> 01012/1

<150> 60/431,520

<151> 2002-11-06

<160> 9

<170> PatentIn version 3.2

<210> 1

<211> 655

<212> DNA

<213> Bos taurus

<400> 1

```
ccacgcgtcc ggcgcgagcc ggtttgtgct cactgtcctg tgcacaccct tgcaagcatc      60
ggcgccatga gtatgacttc cagcgtagca gttgaatgga tcgcagctgt taccattgct      120
gctggaacag ctgcaattgg ttatctagct tacaaaagat tttatgttaa agatcatcgc      180
aacaaatcta tggtaaacc tcacatccag aaagataacc ccaaggtagt acatgctttt      240
gatatggagg atttgggaga taaagctgtg tactgccgtt gttggaggtc caaaaagtgc      300
ccactatgtg atggatctca cacaaaacac aatgaagaaa ctggagacaa cgtgggacct      360
ctgatcatta agaaaaaaga cacttaaagt gacagttttg atgctgcaaa ccaacttgct      420
atgatgtttc ctgattgctt aattagaatg actaccactt ccgtctaatt cacctgccct      480
gggttctaga tgtgtggtaa actatagctt tcacattcac ggcatttgcc ttacacgtgg      540
aaccattgtg gtgcacatct gttgaaacaa ggaaaaacaa aaaaccaatc tcatggcctg      600
tgggttattt tggctcttta aggatctggt tctttacatt taaaactgac attag          655
```

<210> 2

<211> 636

<212> DNA

<213> Homo sapiens

<400> 2

```
gatcgcgagg tcggtgcttt agtacgccgc tggcaccttt actctcgccg gccgcgcgaa      60
cccgtttgag ctcggtatcc tagtgcacac gcctttgcaa gcgacggcgc catgagtctg      120
acttcagtt ccagcgtagc agttgaatgg atcgcagcag ttaccattgc tgctgggaca      180
gctgcaattg gttatctagc ttacaaaaga ttttatgtta aagatcatcg aaataaagct      240
atgataaacc ttcacatcca gaaagacaac cccaagatag tacatgcttt tgacatggag      300
```

gatttgggag ataaagctgt gtactgccgt tgttggaggt caaaaagtt cccattctgt	360
gatggggctc acacaaaaca taacgaagag actggagaca atgtggggccc tctgatcatc	420
aagaaaaaag aaacttaaat ggacactttt gatgctgcaa atcagcttgt cgtgaagtta	480
cctgattgtt taattagaat gactaccacc tctgtctgat tcaccttcgc tggattctaa	540
atgtggtata ttgcaaactg cagctttcac atttatggca tttgtcttgt tgaaacatcg	600
tggtgcacat ttgtttaaac aaaaaaaaaa aaaaaa	636

<210> 3
 <211> 792
 <212> DNA
 <213> Mus musculus

<400> 3	
cccacgcgtc cgcttgccgc ggcgcctgcg cagtggcagt gagtggggccc cgaggctcgcg	60
tcttgcccaa gtctccgcgg tccccagcgc tcgctcgcgc ggtcctgcc aeggccttct	120
gctgcccgcg ccatgggcct cagctccaac tccgctgtgc gagttgagtg gatcgcgggc	180
gtcacctttg ctgctggcac agccgctctc ggttacctgg cttacaagaa gttctacgt	240
aaagagaatc gcaccaaagc tatggtgaat cttcagatcc agaaagacaa cccgaagggtg	300
gtgcatgcct tcgacatgga ggatctgggg gataaggccg tgtactgccg atgctggagg	360
tctaaaaagt tccccttctg cgatggggct cacataaagc acaacgaaga gactggcgac	420
aacgtaggac ctctgatcat caagaaaaag gaaaccta at ggacagttgc gaggctgcac	480
ccagcgtgtt gtgatgtcac ctgctgattt acgtagaatg gcaccaacc caccgtctga	540
ttggcctccc cggttctaga tgtgggttgg ccctgcaa at cacagctctc atatccatgg	600
catcggcctt gctactgaaa catgtggtgc acgtttgttg aaagaagaag aaaggctaaa	660
ccaacctcgt gctatatggg ttatttttgg cttgtaagga tccgttcctt taaaataatg	720
gtcttagaat atagttgtat cttgagggtta aagtattaaa ttattccaaa atcatgtaaa	780
aaaaaaaaaa aa	792

<210> 4
 <211> 106
 <212> PRT
 <213> Bos taurus

<400> 4

Met	Ser	Met	Thr	Ser	Ser	Val	Arg	Val	Glu	Trp	Ile	Ala	Ala	Val	Thr
1				5					10					15	

Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys Arg Phe
20 25 30

Tyr Val Lys Asp His Arg Asn Lys Ser Met Ile Asn Pro His Ile Gln
35 40 45

Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly
50 55 60

Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe Pro Leu
65 70 75 80

Cys Asp Gly Ser His Thr Lys His Asn Glu Glu Thr Gly Asp Asn Val
85 90 95

Gly Pro Leu Ile Ile Lys Lys Lys Asp Thr
100 105

<210> 5
<211> 108
<212> PRT
<213> Homo sapiens

<400> 5

Met Ser Leu Thr Ser Ser Ser Ser Val Arg Val Glu Trp Ile Ala Ala
1 5 10 15

Val Thr Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys
20 25 30

Arg Phe Tyr Val Lys Asp His Arg Asn Lys Ala Met Ile Asn Leu His
35 40 45

Ile Gln Lys Asp Asn Pro Lys Ile Val His Ala Phe Asp Met Glu Asp
50 55 60

Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
65 70 75 80

Pro Phe Cys Asp Gly Ala His Thr Lys His Asn Glu Glu Thr Gly Asp
85 90 95

Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
100 105

<210> 6

<211> 108

<212> PRT

<213> Mus musculus

<400> 6

Met Gly Leu Ser Ser Asn Ser Ala Val Arg Val Glu Trp Ile Ala Ala
1 5 10 15

Val Thr Phe Ala Ala Gly Thr Ala Ala Leu Gly Tyr Leu Ala Tyr Lys
20 25 30

Lys Phe Tyr Ala Lys Glu Asn Arg Thr Lys Ala Met Val Asn Leu Gln
35 40 45

Ile Gln Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp
50 55 60

Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
65 70 75 80

Pro Phe Cys Asp Gly Ala His Ile Lys His Asn Glu Glu Thr Gly Asp
85 90 95

Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
100 105

<210> 7

<211> 19

<212> PRT

<213> Mus musculus

<400> 7

Cys Gly Gly Lys Ala Met Val Asn Leu Gln Ile Gln Lys Asp Asn Pro
1 5 10 15

Lys Val Val

<210> 8

<211> 19

<212> PRT

<213> Mus musculus

<400> 8

Lys Asp Asn Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly Asp
1 5 10 15

Lys Ala Val

<210> 9
<211> 21
<212> PRT
<213> Mus musculus

<400> 9

Cys	Gly	Gly	Asn	Glu	Glu	Thr	Gly	Asp	Asn	Val	Gly	Pro	Leu	Ile	Ile
1				5					10					15	

Lys Lys Lys Glu Thr
20